PATIO HEATER

Owner's Manual

MODEL: HSS-A-GH

IMPORTANT

Read this manual carefully before assembling, using or servicing this heater. Keep this manual for future reference.

DESIGN CERTIFIED ®

CERTIFIED ®

ANS Z83.26-2007/CSA 2.37-2007 Gas-Fired Outdoor Infrared Patio Heaters
ANS Z83.26a-2008/CSA 2.37a-2008 Gas-Fired Outdoor Infrared Patio Heaters

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General Safety Information

This manual contains important information about the assembly, operation and maintenance of this patio heater. General safety information is presented in these first few pages and is also located throughout the manual.

Keep this manual for future reference and to educate new users of this product. This manual should be read in conjunction with the labeling on the product.

Safety precautions are essential when any mechanical or propane fueled equipment is involved. These precautions are necessary when using, storing, and servicing. Using this equipment with the respect and caution demanded will reduce the possibilities of personal injury or property damage.

The following symbols shown below are used extensively throughout this manual. Always heed these precautions, as they are essential when using any mechanical or fueled equipment.

⚠ DANGER

DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING

WARNING indicates an imminently hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION

CAUTION indicates an imminently hazardous situation which, if not avoided, may result in minor or moderate personal injury, or property damage.

⚠ DANGER

FOR YOUR SAFETY

If you smell gas:
1. Shut off gas to the appliance.
2. Extinguish any open flame.
3. If odor continues, keep away from the appliance and immediately call you gas supplier or fire department.

⚠ WARNING

Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
An LP-cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.

⚠ WARNING: For Outdoor Use Only

⚠ DANGER	CARBON MONOXIDE HAZARD
	This appliance can produce carbon monoxide which has no odor. Using it in an enclosed space can kill you. Never use this appliance in an enclosed space such as a camper, tent or home.

⚠ WARNING

Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury or death. Read the installation, operation and maintenance instructions thoroughly before installing or servicing this equipment.

⚠ DANGER

Failure to comply with the precautions and instructions provided with this heater can result in death, serious bodily injury and property loss or damage from hazards of fire,explosion, burn, asphyxiation, and/or carbon monoxide poisoning.
Only persons who can understand and follow the instructions should use or service this heater.

⚠ DANGER

• EXPLOSION - FIRE HAZARD

• Keep solid combustibles, such as building materials, paper or cardboard, a safe distance away from the heater as recommended by the instructions.

• Provide adequate clearances around air openings into the combustion chamber.

• Never use the heater in spaces which do or may contain volatile or airborne combustibles, or products such as gasoline, solvents, paint thinner, dust particles or unknown chemicals.

• During operation, this product can be a source of ignition. Keep heater area clear and free from combustible materials, gasoline, paint thinner, cleaning solvents and other flammable vapors and liquids. Do not use heater in areas with high dust content. Minimum heater clearances from combustible materials: 36” from the sides & 36” from the top.

⚠ WARNING

We cannot foresee every use which may be made of our heaters.

Check with your local fire safety authority if you have questions about heater use.

Other standards govern the use of fuel gases and heat producing products for specific uses. Your local authorities can advise you about these.

If no local codes exist, follow National Fuel Gas Code, ANS Z223.1. In Canada, installation must conform to local codes. If no local codes exist, follow the current National standards of CANADA CAN/CGA-B 149.2.

⚠ DANGER

• CARBON MONOXIDE HAZARD

• This heater is a combustion appliance. All combustion appliances produce carbon monoxide (CO) during the combustion process. This product is designed to produce extremely minute, non-hazardous amounts of CO if used and maintained in accordance with all warnings and instructions. Do not block air flow into or out of the heater.

• Carbon Monoxide (CO) poisoning produces flu-like symptoms, watery eyes, headaches, dizziness, fatigue and possibly death. You can't see it and you can't smell it. It's an invisible killer. If these symptoms are present during operation of this product get fresh air immediately!

• For outdoor use only .

• Never use inside house, or other unventilated or enclosed areas.

• This heater consumes air (oxygen). Do not use in unventilated or enclosed areas to avoid endangering your life.

⚠ CAUTION

• SERVICE SAFETY

• Keep all connections and fittings clean. Make sure propane cylinder valve outlet is clean.

• Inspect hose before use. Replace if there is evidence of abrasion or wear.

• During set up, check all connections and fittings for leaks using soapy water. Never use a flame.

• Use as a heating appliance only. Never alter in any way or use with any device.

• Check entire hose at least annually.

⚠ WARNING

• BURN HAZARD

• Never leave heater unattended when hot or in use.

• Keep out of reach of children.

⚠ WARNING

• This product is fueled by propane gas. Propane gas is invisible, odorless, and flammable. An odorant is normally added to help detect leaks and can be described as a “rotten egg” smell. The odorant can fade over time so leaking gas is not always detectable by smell alone.

• Propane gas is heavier than air and leaking propane will sink to the lowest level possible. It can ignite by ignition sources including matches, lighters, sparks or open flames of any kind many feet away from the original leak. Use only propane gas set up for vapor withdrawal.

• Propane gas should be stored or used in compliance with local ordinances and codes or with ANS/NFPA 58. Turn off propane when not in use.

⚠ DANGER

• EXPLOSION - FIRE HAZARD

• Never store propane near high heat, open flames, pilot lights, direct sunlight, other ignition sources or where temperatures exceed 120 degrees F (49°C).

• Propane vapors are heavier than air and can accumulate in low places. If you smell gas, leave the area immediately.

• Never install or remove propane cylinder while heater is lighted, near flame, pilot lights, other ignition sources or while heater is hot to touch.

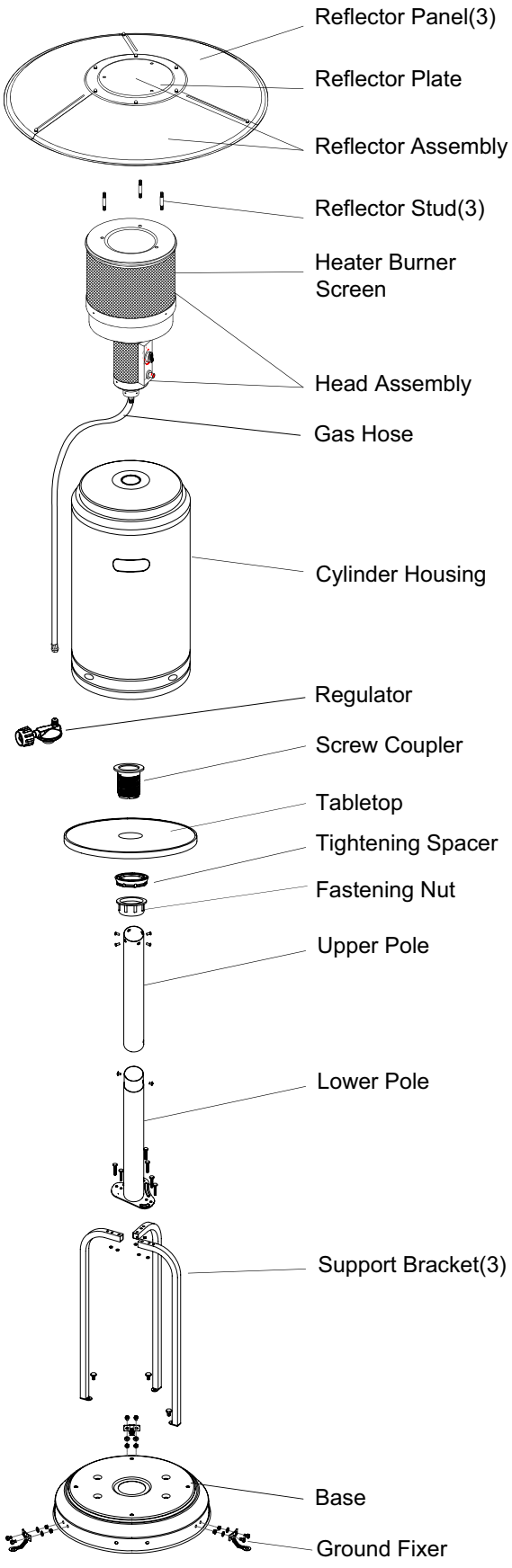
• This heater is red hot during use and can ignite flammables too close to the burner. Keep flammables at least 36” from sides & 36” from top. Keep gasoline and other flammable liquids and vapors well away from heater.

• The propane cylinder must always be stored outdoors in a well ventilated space. Never store propane cylinder in an enclosed area (house, garage, etc.). If heater is to be stored indoors, disconnect the propane cylinder for outdoor storage.

Assembly Instructions

Components

- Remove all components from package.



⚠ WARNING

California Proposition 65
Combustion by products produced when using this product contain chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm.

Hardware

Picture	Qty	Description	Used in Step(s)
	3	Ground Fixer	1
	6	Small Bolt	1
	6	Small Flat Washer	1
	6	Nut	1
	3	Medium Bolt	1
	6	Large Bolt	2
	6	Small Flange Nut	2
	2	Flat Screw	2
	4	Small Bolt	5
	9	Small Screw	6
	9	Large Flat Washer	4 / 7
	9	Small Flat Washer	6
	9	Cap Nut	6
	3	Wing Nut	7
	3	Reflector Stud	4
	1	Wrench	1 / 2 / 5 / 6

Additional Requirements

The following items are not included, but are necessary for the proper assembly of your heater. Do NOT attempt to assemble without proper tools.

- Philips screwdriver w/ medium blade.
- Adjustable opening wrench.
- Leak Detection Solution(Instructions on how to make solution are included in step)

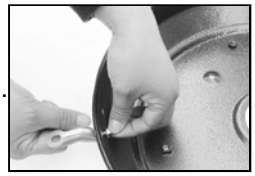
Note: You must follow all steps to properly assemble heater.

For additional assistance or service, please call: (855)885-5858.

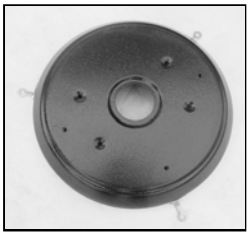
Installation process

Step 1 – Attach Support Brackets to Base
To protect heater from strong wind, anchor the base securely to the ground with screws.

- Reverse the base, fix the ground fixer to the base with bolts and washers like picture shows.

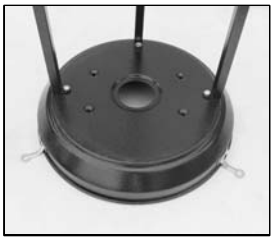


- Secure the ground fixer with nuts.
- Fix another two ground fixer with bolts and nuts, and reverse the base. (Screws for anchoring the base securely to the ground are not inculded)



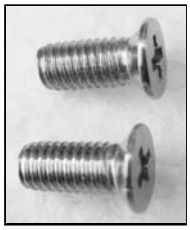
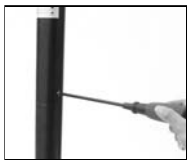
- Attach three Support Brackets loosely to Base with three medium bolts downward through Support Brackets into the Base.

3 Req'd Medium Bolts

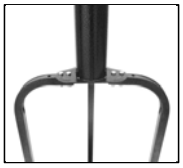
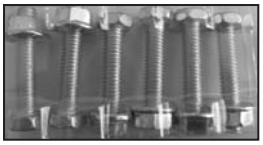


Step 2 – Attach Pole to Support Brackets

- Put the upper pole onto the lower pole, using 2pcs flat screws to firmly secure 2pcs pole.The warning label on the upper pole should be on the same side as the flat plate of the lower pole.

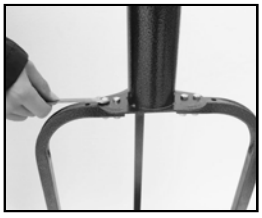



- Install Pole onto three Support Brackets.
- Attach Pole to Support Brackets using six large bolts & six flange nuts.

6 Req'd Large Bolts 6 Req'd Small Flange Nut

- Fully tighten all of the screws.



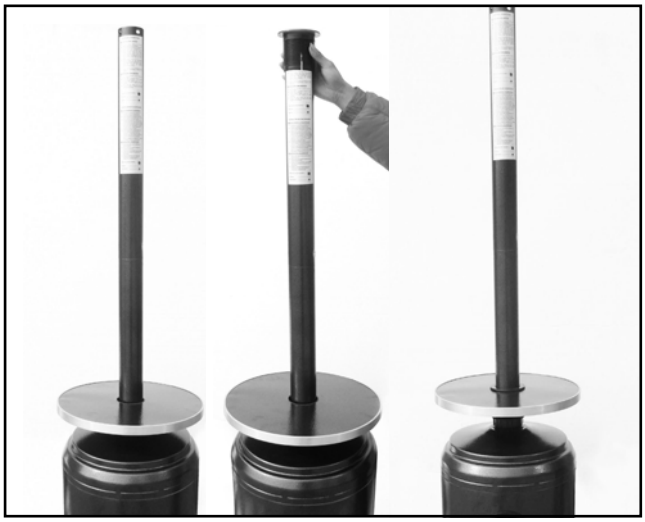
Step 3 – Load Cylinder Housing onto Pole

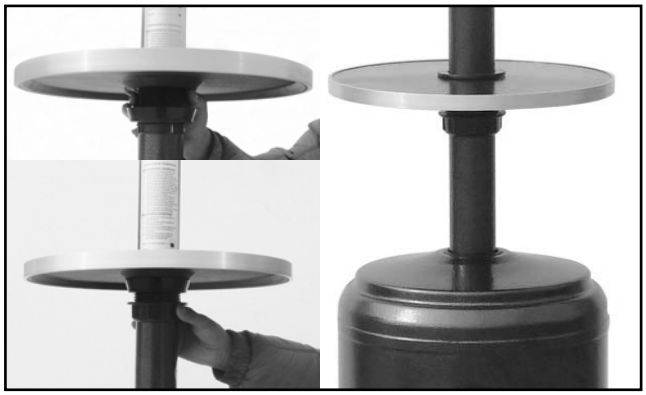
- Load Cylinder Housing onto Pole.
- Slide Cylinder Housing down.

Step 4 – Tabletop Installation

- Slide fastening nut down the pole with the rounded side faced downwards.
- Next, slide the tightening spacer down the pole with the smaller side facing downwards.
- Put the table on the pole with the metallic side facing up.

- Insert the screw coupler on the pole, inserting it through the middle of the table on the pole.
- Thread the tightening spacer on the bottom of the table counterclockwise onto the screw coupler.
- Tighten securely to hold the table to the screw coupler.
- Thread the fastening nut counterclockwise. Tighten securely to lock in place.
- Loosen the fastening nut to adjust the position of the table on the pole.





Step 5 – Attach Reflector Studs to Screen Cover

- Insert 3 Reflector Studs & 3 Flat Washers.
- Tighten studs securely.

3 Req'd Reflector Studs

3 Req'd Large Flat Washers

Step 6 – Attach Head Assembly to Pole

- Screw off 4 small bolts.

4 Req'd Small Bolts

Head Assembly

- Load Head Assembly by inserting hose into pole.
- Insert Head Assembly into pole.
- Control knob should be above decal on pole.

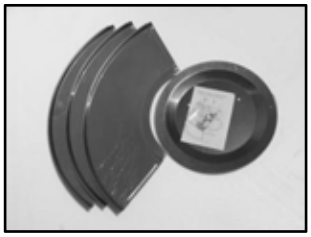
- Attach Head Assembly to pole, and loosely install four small bolts.

- Tighten bolts securely.

Step 7 – Install Reflector

⚠ WARNING

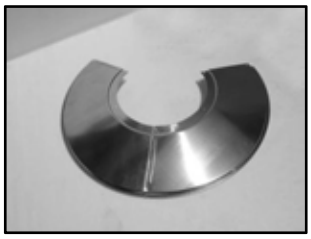
Remove protective cover before assemble.

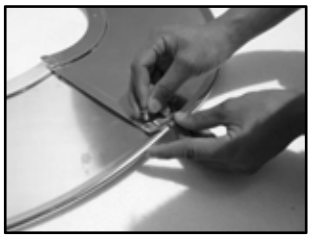


Note: If necessary for proper alignment of reflector sections, loose each screw prior to further assembly and retighten after sections are aligned.

- Slide two Reflector Panels together.
- Insert one Small Screw.

9 Req'd Small Screw s

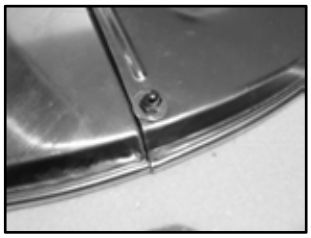


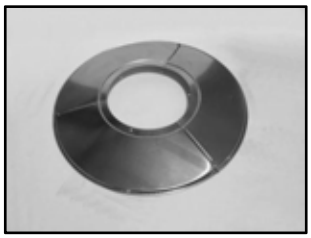


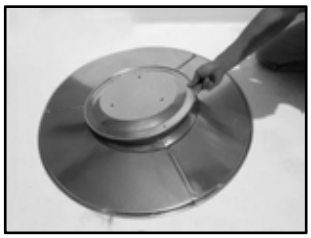
9 Req'd Small Flat Washers

9 Req'd Cap Nuts

- Slide one Small Flat Washer over threaded end of screw and screw on Cap Nut loosely.







- Slide Reflector Plate onto Reflector Panels.
- Insert one Small Screw.
- Slide one Small Flat Washer over threaded end of screw and screw on Cap Nut loosely.

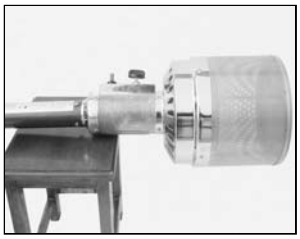
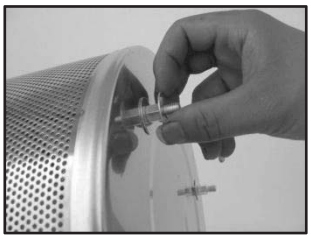
- Repeat procedure to complete the assembly of all four sections.
- Fully tighten all of the screws in the rolled edge.

Step 8 – Attach Reflector Assembly to Studs

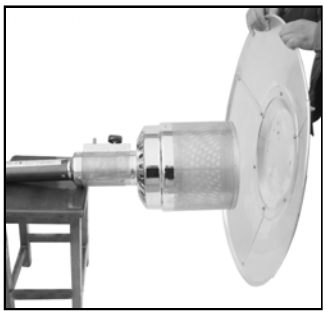
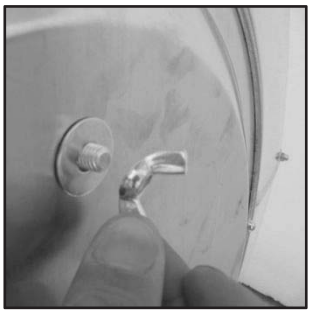
- Support Heater.
- Slide 3 Large Flat Washers over threaded end of Studs.

6 Req'd Large Flat Washers

3 Req'd Wing Nuts

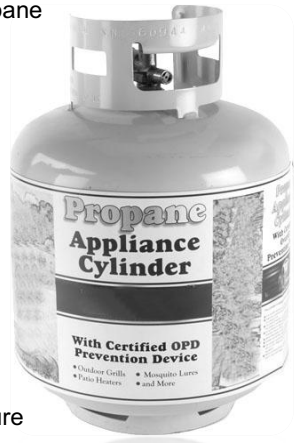



- Locate Reflector Assembly on 3 studs.
- Install large flat washers on studs & securely tighten wing nuts but do not over-tighten!

Step 9 – Connect Hose & Regulator to Cylinder

- You must provide propane gas and propane cylinder . Use a standard 20 lb. propane cylinder only.
- Use this heater only with a propane vapor withdrawal supply system.See Chapter 5 of the Standard for Storage and Handling of Liquefied Petroleum Gas, ANS/NFPA 58.Your local library or fire department should have this book.



Standard 20 lb. tank

- A minimum supply pressure of 0.4 p.s.i. is required for the purpose of input adjustment for propane gas.Storage of an appliance indoors is permissible only if the cylinder is disconnected and removed from the appliance. A cylinder must be stored outdoors in a well-ventilated area out of the reach of children. A disconnected cylinder must have dust caps tightly installed and must not be stored in a building, garage or any other enclosed area.
- The minimum permissible gas supply pressure of 10 W.C. is required for purpose of input adjustment.
- The minimum hourly of 17000 Btu is required input rating for a heater for automatic operation at ratings less than full input rating.
- The pressure regulator and hose assembly supplied with the appliance must be used.
- The installation must conform with local codes, or in the absence of local codes,with National Fuel Gas Code, ANS Z223.1/NFPA54, Natural Gas and Propane Installation Code, CSA B149.1, or Propane Storage and Handling Code, B149.2.
- A dented, rusted or damaged propane cylinder may be hazardous and should be checked by your cylinder supplier. Never use a propane cylinder with a damaged valve connection.
- The propane cylinder must be constructed and marked in accordance with the specifications for LP gas cylinders of the U.S. Department of Transportation (DOT). or the Standard for Cylinders, Spheres and Tubes for Transportation of Dangerous Goods and Commission, CAN/CSA-B339.
- Provided with a listed overfilling prevention device.
- Provided with a cylinder connection device compatible with the connection for the appliance.
- The cylinder used must include a collar to protect the cylinder valve.
- Never connect an unregulated propane cylinder to the heater.
- Lift Cylinder Housing.
- Screw regulator onto gas hose. Do not cross-thread.

- Tighten securely.
- Attach regulator to cylinder.
- Complete attachment.

- Install cylinder.

(a) Do not store a spare LP-gas cylinder under or near this appliance;
(b) Never fill the cylinder beyond 80 percent full;
(c) "Place the dust cap on the cylinder valve outlet whenever the cylinder is not in use. Only install the type of dust cape on the cylinder valve that provided with the cylinder valve. Other type of caps or plugs may result in leakage of propane."

Leak Check

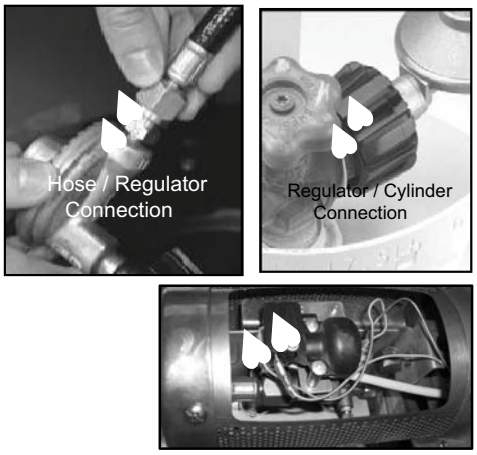
⚠ WARNING

• Perform all leak tests outdoors.

• Extinguish all open flames.

• NEVER leak test when smoking.

• Do not use the heater until all connections have been leak tested and do not leak.



- Make 2-3 oz. of leak check solution (one part liquid dishwashing detergent and three parts water).
- Apply several drops of solution where hose attaches to regulator.
- Apply several drops of solution where regulator connects to Cylinder.
- Make sure all Patio Heater & Light valves are OFF.
- Turn Cylinder Valve ON.

If bubbles appear at any connection, there is a leak.

- Turn Cylinder Valve OFF.
- If leak is at Hose/Regulator connection: tighten connection and perform another leak test. If bubbles continue appearing should be returned to Hose's place of purchase.
- If leak is at Regulator/Cylinder Valve connection: disconnect, reconnect, and perform another leak check. If you continue to see bubbles after several attempts, cylinder valve is defective and should be returned to cylinder's place of purchase.

If NO bubbles appear at any connection, the connections are secure.

- Turn Cylinder Valve OFF.

NOTE: Whenever gas connections are loosened or removed, you must perform a complete leak test.

- Complete installation.

Operation

⚠ DANGER

• CARBON MONOXIDE HAZARD

• For outdoor use only. Never use inside house, or other unventilated or enclosed areas. This heater consumes air (oxygen). Do not use in unventilated or enclosed areas to avoid endangering your life.

Caution: Do not attempt to operate until you have read & understand all General Safety Information in this manual and all assembly is complete & leak checks have been performed.

Before Turning Gas Supply ON:

- Your heater was designed and approved for outdoor use only. Do NOT use it inside a building, garage, or any other enclosed area.
- Make sure surrounding areas are free of combustible materials, gasoline, and other flammable vapors or liquids.
- Ensure that there is no obstruction to air ventilation.
- Be sure all gas connections are tight and there are no leaks.
- Be sure the cylinder cover is clear of debris.
- Be sure any component removed during assembly or servicing is replaced and fastened prior to starting.

Before Lighting:

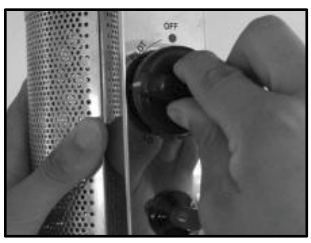
- Heater should be thoroughly inspected before each-use, and by a qualified service person at least annually.
- If relighting a hot heater, always wait at least 5 minutes.
- Inspect the hose assembly for evidence of excessive abrasion, cuts, or wear. Suspected areas should be leak tested. If the hose leaks, it must be replaced prior to operation. Only use the replacement hose assembly specified by manufacturer.

Lighting:

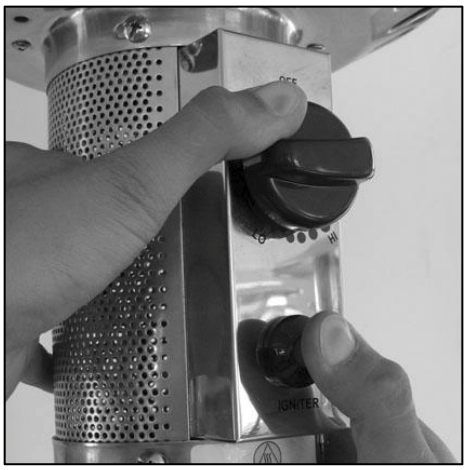
Note: This heater is equipped with a Pilot Light that allows for safer startups and shutdowns. Pilot must be lit before Main Burner can be started.

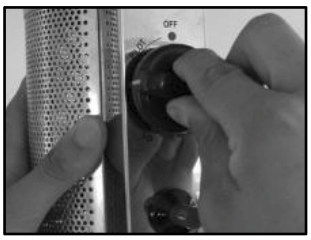
1 Turn the Control Knob to the “OFF” position.
2 Fully open LP cylinder valve.
3 Open Viewing Hole by sliding cover to either side.
4 Push Control Knob IN and rotate to Pilot position.

Note: For initial start or after any cylinder change, hold Control Knob IN for 2 minutes to purge air from gas lines before proceeding.



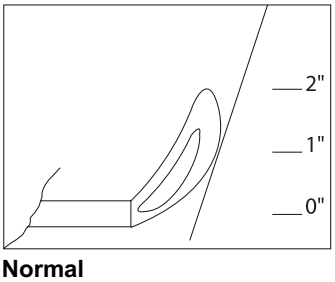
5 Push and release the igniter button until pilot flame is visible through Viewing Hole.
6 Once the pilot is lit, continue to depress the control Knob for 30 seconds.
7 If the pilot dose not stay lit, repeat steps 4 to 6.
8 If after repeating steps 4 to 6 unit does not light, then
-Push in Control Knob and turn counterclockwise to “PILOT”.
-As you are depressing the Control Knob, place long stem lighter into the ignition hole on the Emitter Screen to light the pilot.
-Repeat step 6.



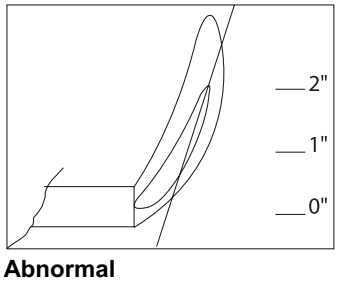


9 Push in and turn the Control Knob to the “LOW” position, then release Control Knob. If you want a higher temperature, push in the Control Knob and turn counterclockwise to the “HIGH” position.

Note: If pilot fails to remain lit, all valves should be closed and waiiting period of at least 5 minutes should pass before attempting to light.



Normal



Abnormal

If you experience any ignition problem please consult "Troubleshooting" on page 11.

Caution: Avoid inhaling fumes emitted from the heater's first use. Smoke and odor from the burning of oils used in manufacturing will appear. Both smoke and odor will dissipate after approximately 30 minutes. The heater should NOT produce thick black smoke.

Note: The burner may be noisy when initially turned on. To eliminate excessive noise from the burner, turn the Control Knob to the Pilot position. Then, turn the knob to the level of heat desired.

⚠ WARNING

FOR YOUR SAFETY

Be careful when attempting to manually ignite this heater. Holding in the control know for more than 10 seconds before igniting the gas will cause a ball of flame upon ignition.

When heater is ON:

Emitter screen will become bright red due to intense heat. The color is more visible at night.

Burner will display tongues of blue and yellow flame. These flames should not be yellow or produce thick black smoke, indicating an obstruction of airflow through the burners. The flame should be blue with straight yellow tops.

If excessive yellow flame is detected, turn off heater and consult "Troubleshooting" on page 11.

Re-lighting:

Note: For your safety, Control Knob cannot be turned OFF without first depressing Control Knob in PILOT position and then rotating it to OFF.

- Turn Control Knob to OFF.
- Wait at least 5 minutes, to let gas dissipate, before attempting to relight Pilot.
- Repeat the "Lighting" steps on prior page.

⚠ WARNING

FOR YOUR SAFETY

Heater will be hot after use. Handle with extreme care.

Shut Down:

- Turn Control Knob clockwise to Pilot. (Normally, burner will make a slight popping sound when extinguished.) Burner will extinguish but Pilot will remain ON.
- To extinguish Pilot, depress Control Knob and continue to turn it clockwise to OFF.
- Turn Cylinder Valve clockwise to OFF and disconnect Regulator when heater is not in use.

Note: After use, some discoloration of the emitter screen is normal.

Operation Checklist

For a safe and pleasurable heating experience, perform this check before each use.

Before Operating:

- I am familiar with entire owner's manual and understand all precautions noted.
- All components are properly assembled, intact and operable.
- No alterations have been made.
- All gas connections are secure and do not leak.
- Wind velocity is below 10 mph.
- Unit will operate at reduced efficiency below 40°F.
- Heater is outdoors (outside any enclosure).
- There is adequate fresh air ventilation.
- Heater is away from gasoline or other flammable liquids or vapors.
- Heater is away from windows, air intake openings, sprinklers and other water sources.
- Heater is at least 36" on top and at least 36" on sides from combustible materials.
- Heater is on a hard and level surface.
- There are no signs of spider or insect nests.
- All burner passages are clear.
- All air circulation passages are clear.
- *Children and adults should be alerted to the hazards of high surface temperatures and should stay away to avoid burns or clothing ignition.*
- *Young children should be carefully supervised when they are in the area of the heater.*
- *Clothing or other protective material should not be hung from the heater, or placed on or near the heater.*
- *Any guard or other protective device removed for servicing the heater must be replaced prior to operating the heater*
- *Installation and repair should be done by a qualified service person. The heater should be inspected before use and ate least annually by a qualified service person.*
- *More frequent cleaning may be required as necessary. It is imperative that control compartment, burner and circulating air passageways of the heater be kept clean.*

After Operation

- Gas control is in OFF position.
- Gas Tank valve is OFF.
- Disconnect Gas line.

Troubleshooting

If the problem is:	And this condition exists:	Then do this
Pilot won't light Note: Heater operates at reduced efficiency below 40ºF (5ºC)	Cylinder valve is closed	Open valve
	Blockage in orifice or pilot tube	Clean or replace orifice or pilot tube
	Air in gas line	Open gas line and bleed it (pressing control knob in) for not more than 1 - 2 minutes or until you smell gas
	Low gas pressure with cylinder valve fully open	Turn cylinder valve OFF and replace cylinder
	Igniter fails	Use match to light pilot; obtain new igniter and replace
Pilot won't stay lit	Dirt built up around pilot	Clean dirt from around pilot
	Connection between gas valve and pilot assembly is loose	Tighten connection and perform leak check
	Thermocouple is not operating correctly	Replace thermocouple
Burner won't light	Gas pressure is low	Turn cylinder valve OFF and replace cylinder
	Blockage in orifice	Clear blockage
	Control knob is not in ON position	Turn control knob to ON
Burner flame is low	Gas pressure is low	Turn cylinder valve OFF and replace cylinder
	Outdoor temperature is less than 40ºF and tank is less than 1/4 full	Use a full cylinder
	Supply hose is bent or kinked	Straighten hose
	Control knob fully ON	Check burner and orifices for blockage
Carbon build-up	Dirt or film on reflector and burner screen	Clean reflector and burner screen
Thick black smoke	Blockage in burner	Remove blockage and clean burner inside and outside

Maintenance

⚠ WARNING

FOR YOUR SAFETY:

• Do NOT touch or move heater for at least 45 minutes after use.

• Reflector is hot to the touch.

• Allow reflector to cool before touching.

To enjoy years of outstanding performance from your heater, make sure you perform the following maintenance activities on a regular basis:

Keep exterior surfaces clean.

- Use warm soapy water for cleaning. Never use flammable or corrosive cleaning agents.
- While cleaning your unit, be sure to keep the area around the burner and pilot assembly dry at all times. Do not submerge the control valve assembly. If the gas control is submerged in water, do NOT use it. It must be replaced.

a. Keeping the appliance area clear and free from combustible materials , gasoline and other flammable vapors and liquids.

b. Not obstructing the flow of combustion and ventilation air.

c.Keeping the ventilation opening(s) of the cylinder enclosure free and clear from debris.

Air flow must be unobstructed. Keep controls, burner, and circulating air passageways clean. Signs of possible blockage include:

- Gas odor with extreme yellow tipping of flame.
- Heater does NOT reach the desired temperature.
- Heater glow is excessively uneven.
- Heater makes popping noises.

- Spiders and insects can nest in burner or orifices. This dangerous condition can damage heater and render it unsafe for use. Clean burner holes by using a heavy-duty pipe cleaner. Compressed air may help clear away smaller particles.
- Carbon deposits may create a fire hazard. Clean dome and burner screen with warm soapy water if any carbon deposits develop.

Note: In a salt-air environment (such as near an ocean), corrosion occurs more quickly than normal. Frequently check for corroded areas and repair them promptly.

TIP:

Use high-quality automobile wax to help maintain the appearance of your heater. Apply to exterior surfaces from the pole down. Do not apply to emitter screen or domes.

Storage

Between uses:

- Turn Control Knob OFF.
- Disconnect LP source.
- Store heater upright in an area sheltered from direct contact with inclement weather (such as rain, sleet, hail, snow, dust and debris).
- If desired, cover heater to protect exterior surfaces and to help prevent build up in air passages.

Note: Wait until heater is cool before covering.

During periods of extended inactivity or when transporting:

- Turn Control Knob OFF.
- Disconnect LP source and move to a secure, well-ventilated location outdoors.
- Store heater upright in an area sheltered from direct contact with inclement weather (such as rain, sleet, hail, snow, dust and debris).
- If desired, cover heater to protect exterior surfaces and to help prevent build up in air passages.
- Never leave LP cylinder exposed to direct sunlight or excessive heat.

Note: Wait until heater is cool before covering.

Service

Repair to gas passages and associated components should be done only by a qualified service person.

Caution: Always allow heater to cool before attempting service.

Warranty

Heater's warranty extends for 1 years from date of purchase by original purchaser.
Manufactured by: Jiangsu Gardensun Furnace Co., Ltd.
Xinwu Village Zouqu Town Changzhou City
Jiangsu Province P.R. China
Manufacturer will cover:
All parts found to be defective due to materials or workmanship for 1 years from the date of original purchase. Proof of purchase is required before warranty performance will be rendered. Sales receipt and validation of product registration are valid forms of proof of purchase.

Warranty Exclusion

Manufacturer will NOT cover:
Assembly or start-up
Normal adjustment to burner
Cleaning and/or general maintenance

Legal Rights

No one else is authorized to make any warranties on behalf of manufacturer.
THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EXPRESS OR IMPLIED, ORAL OR WRITTEN, INCLUDING, BUT NOT LIMITED TO, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Manufactured by:
Jiangsu Gardensun Furnace Co., Ltd.
Xinwu Village Zouqu Town Changzhou City
Jiangsu Province P.R. China
Tel: 86-519-83317471
Fax: 86-519-83315116
Http: www.jiadeshun.com
Email：Gardensunusa@gmail.com
For additional assistance or service, please call: (855)885-5858